1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND SUPPLIER

1.1. Product Identifier
   Trade Name: ECOS™ Plus with Enzymes, Magnolia Lily
   Other Identifier: 9628

1.2. Relevant identified uses of the substance or mixture and uses advised against:
   Liquid laundry detergent. Use as directed.

1.3. Details of the supplier of the safety data sheet:
   Manufacturer/Supplier:
   Venus Laboratories dba Earth Friendly Products
   11150 Hope Street
   Cypress, CA
   90630
   Tel: (800)-841-3100

1.4. Emergency telephone number:
   Chemtrec: (800)-424-9300

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture
   Classification according to OSHA Hazard Communication Standard 29 CFR 1910.1200:
   Not classified as hazardous.

2.2. Label Elements
   Hazard pictograms: Not applicable.

   Signal word: None.

   Hazard statements: None.

   Precautionary statements:
   P102 Keep out of reach of children.

   Additional information: No additional relevant information.

   Hazards not otherwise classified: None.
## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Mixtures

Description of the mixture: Liquid laundry detergent.

Hazardous ingredients per OSHA Hazard Communication Standard 29 CFR 1910.1200:

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS No.</th>
<th>Classification according to OSHA Hazard Communication Standard 29 CFR 1910.1200</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>No classification</td>
<td>≥30%</td>
</tr>
<tr>
<td>1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts</td>
<td>61789-40-0</td>
<td>Skin Irrit. 2, H315, Eye Irrit. 2, H319, Acute Tox. 5, H303, Aqua. Tox. Acute 2, H401</td>
<td>1-5%</td>
</tr>
<tr>
<td>Sulfuric acid, mono-C12-18-alkyl esters, sodium salts</td>
<td>68955-19-1</td>
<td>Skin Irrit. 2, H315, Eye Dam. 1, H318, Acute Tox. 4, H302, Aqua. Tox. Acute 2, H401</td>
<td>1-5%</td>
</tr>
<tr>
<td>Amides, coco, N-[3-(dimethylamino)propyl], N-oxides</td>
<td>68155-09-9</td>
<td>Acute Tox. 5, H303, Skin Irrit. 2, H315, Eye Dam. 1, H318</td>
<td>1-5%</td>
</tr>
<tr>
<td>2-phenoxyethanol</td>
<td>122-99-6</td>
<td>Acute Tox. 4, H302, Eye Irrit. 2, H319</td>
<td>≤1%</td>
</tr>
<tr>
<td>Sodium citrate</td>
<td>527-07-1</td>
<td>No classification</td>
<td>≤1%</td>
</tr>
<tr>
<td>Fragrance</td>
<td>Proprietary Mixture</td>
<td>Aquatic Acute 2, H401, Aquatic Chronic 2, H411, Skin Sens. 1, H317, Eye Irrit 2, H319</td>
<td>&lt;1%</td>
</tr>
<tr>
<td>Protease</td>
<td>9014-01-1</td>
<td>Eye irrit. cat. 2, H319, Aqua. Tox. Chronic 3, H412, Resp. Sens. 1, H334</td>
<td>≤0.5%</td>
</tr>
<tr>
<td>Caprylyl glycol</td>
<td>1117-86-6</td>
<td>Eye Irrit. 2, H319</td>
<td>≤0.5%</td>
</tr>
<tr>
<td>Sodium formate</td>
<td>141-53-7</td>
<td>No classification</td>
<td>≤0.5%</td>
</tr>
<tr>
<td>Mannanase</td>
<td>37288-54-3</td>
<td>Resp. Sens. 1, H334</td>
<td>≤0.5%</td>
</tr>
<tr>
<td>Amylase</td>
<td>9000-90-2</td>
<td>Resp. Sens. 1, H334</td>
<td>≤0.5%</td>
</tr>
</tbody>
</table>

Additional information: For the wording of the listed hazard phrases refer to section 16.

## 4. FIRST AID MEASURES

### 4.1. Description of first aid measures

General information: No special measures required. Take affected persons out into the fresh air. Avoid contact with eyes.

After inhalation: Seek medical treatment in case of complaints.

After skin contact: In case of skin irritation, consult a physician.
After eye contact: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing. Immediately call a poison center or doctor/physician.
After swallowing: Drink plenty of water and provide fresh air. If irritation or discomfort occurs, seek medical attention. Never give anything by mouth to an unconscious person.

4.2. Most important symptoms and effects, both acute and delayed: No relevant information available.

4.3. Indication of any immediate medical attention and special treatment needed: No relevant information available.

5. FIRE FIGHTING MEASURES

5.1. Extinguishing media
   Suitable extinguishing agents: CO2, powder or water spray. Fight larger fires with water spray.

5.2. Special hazards arising from the substance or mixture: No relevant information available.

5.3. Advice for firefighters
   Protective equipment: No special measures required.
   Additional information: Collect contaminated firefighting water separately. It must not enter the sewage system.

6. ACCIDENTAL RELEASE MEASURES


6.2. For emergency responders: Wear protective equipment. Keep unprotected persons away.

6.3. Environmental precautions: No special measures required.

6.4. Methods and material for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust, silica gel).

6.5. Reference to other sections:
   See Section 7 for information on safe handling.
   See Section 8 for information on personal protection equipment.
   See Section 13 for disposal information.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling:
   No special precautions are necessary if used correctly.
Information about fire - and explosion protection: No special measures required.

7.2. Conditions for safe storage, including any incompatibilities:
   Storage: Store in cool, dry conditions in well-sealed receptacles.
   Requirements to be met by storerooms and receptacles: Do not store in extreme temperatures.
   Information about storage in one common storage facility: Not required.
   Further information about storage conditions: None.

7.3. Specific end use(s): No further relevant information available.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

8.1. Control parameters
   Ingredients with limit values that require monitoring at the workplace in accordance with OSHA Hazard Communication Standard 29 CFR 1910.1200: None.
   Additional information: No further relevant information available.

8.2. Exposure controls
   Personal protective equipment:
   General protective and hygienic measures: The usual precautionary measures are to be adhered to when handling chemicals.
   Respiratory protection: Not required under normal conditions of use.
   Protection of hands: Not required under normal conditions of use.
   Eye protection: If handling large volumes, wear eye protection. Eye protection not required under normal conditions of use.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Clear, viscous liquid</td>
</tr>
<tr>
<td>Physical State</td>
<td>Viscous liquid</td>
</tr>
<tr>
<td>Color</td>
<td>Colorless</td>
</tr>
<tr>
<td>Odor</td>
<td>Floral perfume</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Not determined</td>
</tr>
<tr>
<td>pH</td>
<td>7.8-8.5</td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>Not determined</td>
</tr>
<tr>
<td>Initial boiling point/boiling range</td>
<td>Not determined</td>
</tr>
<tr>
<td>Flash point</td>
<td>Not determined</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not determined</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not Flammable</td>
</tr>
<tr>
<td>Upper/lower flammability or explosive limits</td>
<td>Not determined</td>
</tr>
</tbody>
</table>
Upper explosive limits | Not determined
---|---
Lower explosive limits | Not determined
Vapor pressure | Not determined
Vapor density | Not determined
Relative density | 1.020
Solubility(ies) | Not determined
Partition coefficient: n-octanol/water | Not determined
Auto-ignition temperature | Not determined
Decomposition temperature | Not determined
Viscosity | 400cp-800cp
Explosive properties | Not determined
Oxidizing properties | Not determined

10. STABILITY AND REACTIVITY

10.1. Reactivity: Stable under normal conditions.

10.2. Chemical stability: Material is stable under normal conditions.
   Thermal decomposition / conditions to be avoided: No decomposition if used and stored according to specifications. Do not store at extreme temperatures.

10.3. Possibility of hazardous reactions: No dangerous reactions known.

10.4. Conditions to avoid: No further relevant information available.

10.5. Incompatible materials: No further relevant information available.

10.6. Hazardous decomposition products: No dangerous decomposition products

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects
   Acute toxicity: Based on available data, the classification criteria are not met.
   | LD/LC50 values relevant for classification:
   | ATE (Acute Toxicity Estimates):
   | LD50, Oral | 12,406 mg/kg

Skin corrosion/irritation: Based on available data, the classification criteria are not met.
Serious eye damage/irritation: Based on available data, the classification criteria are not met.
Germ cell mutagenicity: Based on available data, the classification criteria are not met.
Carcinogenicity: Based on available data, the classification criteria are not met.
Reproductive toxicity: Based on available data, the classification criteria are not met.
STOT-single exposure: Based on available data, the classification criteria are not met.
12. ECOLOGICAL INFORMATION

12.1. Toxicity
   Aquatic toxicity: No further relevant information available.

12.2. Persistence and degradability: No further relevant information available.

12.3. Bioaccumulative potential: No further relevant information available.

12.4. Mobility in soil: No further relevant information available.

12.5. Results of PBT and vPvB assessment
   PBT: No further relevant information available.
   vPvB: No further relevant information available.

12.6. Other adverse effects: No further relevant information available.

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods recommendation:
   Dispose according to National Regulations. Contact manufacturer for recycling information.
   Uncleaned packaging: Disposal must be made according to official regulations. Packaging may be reused or recycled after cleaning.

14. TRANSPORT INFORMATION

14.1. Transportation regulations:
   Land transport, USDOT:
   Not classified as a dangerous good under transport regulations.
   Sea transport, IMDG:
   Not classified as a dangerous good under transport regulations.
   Air transport, IATA/ICAO
   Not classified as a dangerous good under transport regulations.

14.2. Additional information: No additional relevant information available.

15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture:
   TSCA: Listed
16. OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases:
H302 Harmful if swallowed.
H319 Causes serious eye irritation.
H318 Causes serious eye damage
H315: Causes skin irritation.
H303: May be harmful if swallowed.
H401: Toxic to aquatic life.
H411: Toxic to aquatic life with long lasting effects.
H317: May cause an allergic skin reaction.
H412: Harmful to aquatic life with long lasting effects.
H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H314: Causes severe skin burns and eye damage.
H312: Harmful in contact with skin.
H402: Harmful to aquatic life.

Training hints:
Suitable training on safety in handling, storing and converting the product should be given to the employees based on all the existing information.